APRIL 2001

GUIDELINES FOR TORDON 22K* and GRAZON* DISTRIBUTION TO FARMERS/RANCHERS

The agricultural environment in Alberta has evolved since the creation of the *"1997 Guidelines for Tordon 22K Distribution"* document. Since 1997 weed control on pastures has become a larger issue in Alberta due to the strong cattle cycle. This document reflects the availability of **Tordon 22K Herbicide** (picloram) and **Grazon Herbicide Solution** (picloram + 2,4-D) to end users in Alberta.

VENDOR RESPONSIBILITIES

For **permanent pasture and rangeland used for livestock grazing purposes only**, Tordon 22K and Grazon herbicides will be available commencing in 2001 through trained retail agents of Dow AgroSciences in Alberta (list available from Dow AgroSciences).

These retail agents will:

- have a valid **Agrichemical Warehousing Standards Association (AWSA) Certificate**,
- attend a Dow AgroSciences product and stewardship **training program** prior to having access to Tordon 22K or Grazon,
- ensure that all purchasers have acknowledged in writing their **understanding of the risks** associated with the use of picloram (see attached document), and
- **report all product sales and locations of use (legal land descriptions)** to Dow AgroSciences for submission to Alberta Environment.

PURCHASER RESPONSIBILITIES

1. Purchaser Requirements

a) All purchasers (farmers/ranchers) will be provided with the information sheet entitled "Sales and Application of Tordon 22K and Grazon" by the retail agent (see attached document).

b) Dow AgroSciences Retail Agents will record the names and legal land locations of purchasers who need Tordon 22K or Grazon **for weed control on permanent pastures or rangeland**.

c) The Tordon 22K **label restriction on cropland uses (i.e. cultivated land including hayland) and the need for an authorized pesticide applicator will**

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be strictly enforced. No purchaser (farmer/rancher) will be able to purchase Tordon 22K for application on cropland unless the application will be conducted by an "authorized pesticide applicator". To be considered an "authorized pesticide applicator", a purchaser must provide proof they have completed the "Farmer Pesticide Certificate Course" (administered by Olds College), **or** provide their Pesticide Applicator Certificate of Qualification Number.

d) All purchasers must sign a form indicating that the product is being purchased for personal use and use precautions are understood. Retail Agents will retain this form and the purchaser may take a copy for his reference (see attached document).

2. **Alternative Product Distribution**

a) Farmers/ranchers who require Tordon 22K or Grazon for use on permanent pastures and rangeland and are not within a reasonable distance of a retail agent will be able to access the products through **TrueNorth Specialty Products.** They will maintain the same documentation and diligence in selling these products on behalf of Dow AgroSciences.

3. **Compliance Monitoring**

a) Dow AgroSciences markets picloram herbicides to the industrial market (i.e. roadside weed control). Dow AgroSciences will continue to market another formulated product, Tordon 101 (the industrial equivalent) for roadside vegetation management. Grazon is not to be sold or used for roadside or other industrial applications. It is important for Dow AgroSciences and Alberta Environment to maintain accurate records of picloram use according to use pattern in the event of changes to picloram detections in environmental monitoring programs.

b) Any suspected product misuse by farmers/ranchers will be reported to Alberta Environment for investigation.

See Attachment

Alberta ENVIRONMENT

Attachment

Dow AgroSciences

SALE & APPLICATION OF TORDON* 22K and GRAZON*

(240g/L Picloram P.C.P. No. 9005 and 65 g/L + 240 g/L P.C.P. No. 26649)

Information:

Tordon* 22K Herbicide (the active ingredient of which is picloram) is a herbicide, which is very effective for the control of deep-rooted, perennial and biennial weeds. **Grazon* Herbicide Solution** (with the active ingredients of picloram and 2,4-D) is a herbicide, which is very effective on a broad spectrum of annual and perennial broadleaf weeds. The restrictions on the use of each are not due to toxicity. Picloram has extremely low toxicity to animals, birds, and insects, and it does not accumulate in the food chain.

Tordon* 22K and Grazon*, when used judiciously and according to the product label and these guidelines, will not harm non-target plants.

It is essential to manage the use of Tordon* 22K and Grazon* effectively due to their persistent nature and non-selective control of broadleaf plants. **For these reasons, Tordon* 22K and Grazon* are sold for use on permanent grass pastures only** (in crop situations Tordon* 22K must be applied by a certified applicator).

Caution:

- Picloram is very persistent; at normal rates it can leave residue in the soil.
- Most grasses are tolerant to picloram; many broadleaf plants are controlled or damaged by exposure to very low levels of picloram in the soil or airborne drift.
- Picloram may move off-site with soil movement, hay or straw movement, or urine in animal bedding.
- Picloram is taken into the plant via foliage and roots. Drift can have immediate effect on plants, or there can be effects on next year's plant growth via root uptake.
- Picloram passes through mammals unaltered.

Restrictions:

- Do not apply near garden areas.
- Do not apply near trees, and shrubs. Leave a buffer zone of 1.5 times the height of desirable trees, plants or shrubs.
- Do not apply to coarse textured soils with a high water table, (within 1.8 metres or 6 feet of the soil surface).
- Do not apply to bare, sloping ground where soil may erode & carry picloram with it.

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- Do not apply within 30 metres (approximately 100 feet) of an open water body (does not include dugouts).
- Lactating dairy cattle cannot be allowed to graze a treated area within six weeks after a Tordon* 22K application or 7 days after a Grazon* application.
- Soil and manure must not be moved from the treated area.
- Prior to application, read all label directions and follow them strictly.
- Do not apply if the elimination of legumes can not be tolerated.

I have read and understood:

a) the concerns regarding the use of pesticides containing picloram,
b) that **Tordon* 22K** and **Grazon*** will be used in accordance with label directions, and
c) that it is an offence under the *Pest Control Products Act* (Canada) to use any pest control product under unsafe conditions.

Date: _____

Landowners Name: _____

Address: _____
_____

Telephone: _____

Legal Description(s): _____
_____
_____
_____

Amount Purchased: _____

Target Undesirable Vegetation: _____

Intended Crop: _____

Landowner's Signature: _____

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